

TITLE: Arthropodicidal and fungicidal cyclic amides
[triazolones] and their preparation, use, and compositions

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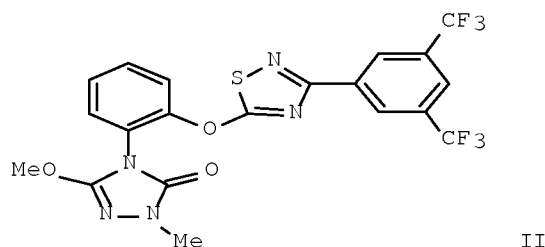
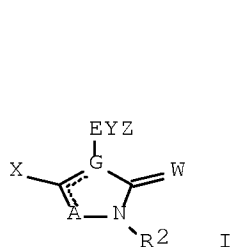
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W: JP, KR				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
ZA 9709943	A	19990505	ZA 1997-9943	19971105 <--
IN 1997CA02193	A	20050311	IN 1997-CA2193	19971120 <--
WO 9823156	A1	19980604	WO 1997-US21944	19971125 <--
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BR 9713415	A	20000418	BR 1997-13415	19971125 <--
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PRIORITY APPLN. INFO.:			WO 1996-US18916	A 19961126 <--
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			US 1997-48844P	P 19970606 <--
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OTHER SOURCE(S):		MARPAT 129:54375		
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AB Title compds. I and their N-oxides and agriculturally suitable salts are disclosed [wherein E = (un)substituted 1,2-phenylene, naphthalene or heterocyclyl; A = O, S, N, NR3 or CR4; G = C or N; when G is C, then A is O, S or NR3 and the floating double bond is attached to G; and when G is N, then A is N or CR4 and the floating double bond is attached to A; W = O, S, NH, N(C1-C6 alkyl) or NO(C1-C6 alkyl); X = H, OR1, SOMR1, halo, C1-C6 alkyl, C1-C6 haloalkyl, C3-C6 cycloalkyl, cyano, NH2, NHR1, N(C1-C6 alkyl)R1, NH(C1-C6 alkoxy) or N(C1-C6 alkoxy)R1; R2 = H, C1-C6 alkyl, C1-C6 haloalkyl, C2-C6 haloalkyl, C2-C6 alkenyl, C2-C6 haloalkenyl, C2-C6 alkynyl, C2-C6 haloalkynyl, C3-C6 cycloalkyl, C2-C4 alkylcarbonyl, C2-C6 alkoxy carbonyl, hydroxy, C1-C2 alkoxy, or acetyloxy; R1= (halo)alkyl, (halo)alkenyl, etc.; R3= H, (halo)alkyl, etc.; Y = O, CO, SO, etc.; Z = (un)substituted alkyl, alkenyl or alkynyl, R4 = H, halo, alkyl, etc.; m = 0, 1 or 2]. Claims cover methods of arthropod and fungal control, novel compds., arthropodicidal and fungicidal compns., and novel intermediates. Approx. 1000 invention compds. were prepared For instance, 5-chloro-2,4-dihydro-4-(2-methoxyphenyl)-2-methyl-3H-1,2,4-triazol-3-one (preparation given) underwent a sequence of cleavage of the Me ether with BBr3, methoxylation of the chloride with NaOMe, and etherification of the phenolic hydroxy group with 5-chloro-3-[3,5-bis(trifluoromethyl)phenyl]-1,2,4-thiadiazole, to give title compound II. Selected I were active in screens against *Erysiphe graminis*, *Pyricularia oryzae*, *Spodoptera frugiperda*, *Tetranychus urticae*, and a variety of other standard pests.

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C07D417-04

CC 28-10 (Heterocyclic Compounds (More Than One Hetero Atom))
Section cross-reference(s): 5

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186982-00-3P	186982-01-4P	186982-02-5P	186982-03-6P	186982-04-7P

RL: AGR (Agricultural use); EAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation as arthropodicide and fungicide)

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RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation as arthropodicide and fungicide)

RN 186979-75-9 HCAPLUS

CN 3H-1,2,4-Triazol-3-one, 4-[2-[[2-[3,5-bis(trifluoromethyl)phenyl]-4-pyrimidinyl]oxy]phenyl]-2,4-dihydro-5-methoxy-2-methyl- (CA INDEX NAME)

